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SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
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(54) Title: INDUCTION OF ANTI-TUMOR CTL IMMUNITY THROUGH IN VIVO TRIGGERING OF 4-1BB AND/OR CD40

(57) Abstract: Disclosed is a method and composition for treating tumors or infectious diseases, wherein the composition comprises an agonistic anti-CD40 antibody or a fragment thereof, and/or an agonistic anti-4-1BB antibody or a fragment thereof. The agonistic antibody molecules include fragments like Fab, (Fab')₂ and F_v. The methods and compositions may further comprise polypeptides or nucleic acid sequences having or encoding a class I MHC or class II MHC-restricted T cell epitope.

INTERNATIONAL SEARCH REPORT

Int. Application No
PCT/NE 03/00254

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07K16/28 A61K39/395 C07K14/025 A61K39/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07K A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MELIEFF C J M ET AL: "STRATEGIES FOR IMMUNOTHERAPY OF CANCER" ADVANCES IN IMMUNOLOGY, ACADEMIC PRESS INC., NEW YORK, NY, US, vol. 75, 2000, pages 235-282, XP001027072 ISSN: 0065-2776 page 251 -page 252 page 252 last two lines page 259 -page 260 ---- -/-	1-13

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WILCOX R A ET AL: "Provision of antigen and CD137 signaling breaks immunological ignorance, promoting regression of poorly immunogenic tumors" JOURNAL OF CLINICAL INVESTIGATION, NEW YORK, NY, US, vol. 109, no. 5, March 2002 (2002-03), pages 651-659, XP002238985 ISSN: 0021-9738 the whole document</p> <p>---</p>	1,3,6, 8-13
X	<p>MELERO I ET AL: "Monoclonal antibodies against the 4-1BB T-cell activation molecule eradicate established tumors" NATURE MEDICINE, NATURE PUBLISHING, CO, US, vol. 3, no. 6, June 1997 (1997-06), pages 682-685, XP002104261 ISSN: 1078-8956 cited in the application the whole document</p> <p>---</p>	1,6
X	<p>WO 99 61065 A (LEIDEN UNIVERSITY MEDICAL CENT ;TANOX INC (US)) 2 December 1999 (1999-12-02) claims 1-5</p> <p>-----</p>	7,9-13

INTERNATIONAL SEARCH REPORT

Information on patent family members

Inte... Application No
PCT/NL 00254

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